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Webster, E. B. THE KING OF THE OLYMPICS. THE ROOSEVELT ELK AND OTHER MAMMALS OF THE OLYMPIC MOUNTAINS. Port Angeles, Washington; the Port Angeles Evening News. 8vo, 227 pp., numerous unnumbered half-tones. 1920.

Significant of the increasing interest in the out-of-doors in the Pacific Northwest is the appearance of this attractive volume by E. B. Webster, moving spirit and leader of the Klahhane mountaineering club of Port Angeles, Washington, and member also of the Pacific Northwest Bird and Mammal Club and the American Society of Mammalogists. It is written, not from the standpoint of sportsman or technical mammalogist, but from that of a mountaineer and friend of wild life.

The King of the Olympics is, of course, the Roosevelt elk, *Cervus roosevelti* Merriam or *Cervus canadensis occidentalis* Hamilton Smith, and the longest and most important chapter of the book is very properly devoted to a study of this magnificent animal in its principal habitat. The author has made a valuable contribution to knowledge of the habits and relations to environment of the elk, including its protective coloration, trails, present and former distribution in the Olympic Mountains, food, herding and breeding habits, fighting, young, and enemies. Many of the data were gathered by Mr. Webster himself in course of frequent trips to the mountains; and, in addition, the observations of William Everett, Chris Morganroth, George Welch, and Grant Humes, mountain men of wide experience in the Olympic region, have been freely drawn upon.

It was found that the lives of the wolf, cougar, bear, and deer were so closely linked with that of the elk that accounts of their habits seemed necessary to complete the story of the elk. "This done it was but a step to the remaining mammals of the Olympics—some thirty odd chapters in' all." Among these accounts, those of the cougar, marmot, timber wolf, chehalis (mountain beaver), and black bear are of special value.

The book is illustrated with numerous half-tones, including several of the elk in its normal environment. The typography is clear, the paper of excellent quality, and the binding plain but durable. An index would have made the volume somewhat more useful. The few scientific names included could have been made more acceptable if they had been edited by a technical mammalogist.

The author's style is informal and attractive, and an occasional story enlivens the text. The reader has no difficulty, however, in separating the "stories" from the serious observations of fact, which is more than can be said for some writings on natural history.

We wish the author had given us his opinion of what to do to insure the conservation of the elk, a matter which has been much discussed by protectionists, few of whom have had his extended opportunities for first-hand contact with the problem.

The book should help to stimulate popular interest in mammals, which deserve far more attention from conscientious writers on nature than they have received hitherto. It will be a welcome addition to any library pertaining to the woods, fields, and mountains, and their animal denizens.

—Walter P. Taylor.

- ADAMS, CHARLES C. Suggestions for research on North American big game and fur-bearing animals. Roosevelt Wild Life Bull., vol. 1, no. 1, pp. 35-41. December, 1921.
- AHRENS, THEODOR G. Aims and status of plant and animal preserve work in Europe, with special reference to Germany, including a list of the most important publications on these preserves. Roosevelt Wild Life Bull., vol. 1, no. 1, pp. 83-94. December, 1921.
- ALLEN, GLOVER M. Bats from Palawan, Philippine Islands. Occ. Pap. Mus. Zool., Univ. Michigan, no. 110, pp. 1-5. February 25, 1922. (Seven species; *Rhinolophus anderseni aequalis* is new.)
- ANDREWS, C. W. Note on the skull of *Dinotherium giganteum* in the British Museum. Proc. Zool. Soc. London, 1921, pt. 3, pp. 525-534. September, 1921.
- ANTHONY, H. E. Preliminary report on Ecuadorean mammals. No. 2. Amer. Mus. Novit., no. 32, pp. 1-6; map. March 4, 1922. (New species of *Phyllotis*, *Microsciurus*, and *Marmosa*.)
- A new fossil rodent from Ecuador. Amer. Mus. Novit., no. 35, pp. 1-4; 2 figs. March 30, 1922. (Describes *Drytomomys æquatorialis*, gen. et spec. nov.)
- BAILEY, VERNON. The flag squirrel. Native Life (Bismarck, N. D.), vol. 2, no. 1, pp. 7-8. March, 1922. (Brief popular notes on habits of *Citellus tridecemlineatus*.)
- BARBER, W. E. Deer still plentiful in Wisconsin. Wisconsin Conservationist, vol. 3, no. 6, p. 16. January (March), 1922. (Reports 4005 bucks killed in Wisconsin during open season of 1921, with probably an additional 500 to 1000 which were not reported.)
- Again, our fur-bearing animals. Wisconsin Conservationist, vol. 4, no. 1, p. 11. March (May 11), 1922. (All fur-bearing animals in Wisconsin, excepting perhaps the skunk, are reduced to danger line. Beavers were unmercifully slaughtered during the past season.)
- BARNES, CLAUDE T. Mammals of Utah. Bull. Univ. Utah, vol. 12, no. 15; 176 pp., 32 maps. April, 1922. (A list of the mammals known from Utah, with maps showing their distribution in the state.)
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- BRINKMANN, AUGUST. Canidenstudien. Vidensk. Meddel. fra Dansk naturhist. Foren. Kjøbenhavn, vol. 72, pp. 1-43; pls. 1-3; text figs. 1-6. 1921. (*Canis pallipes* is distinct from *C. lupus* and is the original of the large domestic greyhounds.)
- CADWALADER, WILLIAMS B. The fiftieth annual report of the board of directors of the Zoological Society of Philadelphia. Pp. 52. 1922.
- CASTLE, W. E. Genetics of the Vienna white rabbit. Science, n.s., vol. 55, pp. 269-270. March 10, 1922.
- CLARK, D. H. Against the buck law. Wisconsin Conservationist, vol. 3, no. 6, p. 11. January (March), 1922. (Opposes "one buck law.")
- COLE, H. E. Wild life in Baraboo Hills. Wisconsin Conservationist, vol. 3, no. 6, p. 9. January (March), 1922. (Largely an account of a raccoon farm and raccoon habits.)

- COLEMAN, LAURENCE VAIL. Some principles of group construction. Museum Work, vol. 3, pp. 121-125. January, 1921. (Particular reference to museum groups of mammals.)
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- DICE, LEE RAYMOND. Some factors affecting the distribution of the prairie vole, forest deer mouse, and prairie deer mouse. Ecology, vol. 3, pp. 29-47. January (March), 1922.
- DICE, L. R., AND H. B. SHERMAN. Notes on the mammals of Gogebic and Ontonagon Counties, Michigan, 1920. Occ. Pap. Mus. Zool., Univ. Michigan, no. 109, pp. 1-46; 3 plates. February 25, 1922. (Lists 42 species.)
- DOLLMAN, J. G. Catalogue of the Selous collection of big game in the British Museum (Natural History). London: British Museum; pp. i-vii; 1-112; portrait. 1921.
- ÉHİK, J. The glacial-theories in the light of biological investigation. Ann. Mus. Hung., Budapest, vol. 18, pp. 89-110; 7 figs. 1921.
- FRICK, CHILDS. Extinct vertebrate faunas of the badlands of Bautista Creek and San Timoteo Cañon, southern California. Univ. California Pub. Geol., vol. 12, no. 5, pp. 277-424; pls. 43-50; 165 figs. in text. December 28, 1921. (New species of *Equus*, *Pliohippus*, *Tapirus*, *Pliauchenia*, *Procamelus*, *Prosthennops*, *Hypolagus*, and *Hyaenarctos*.)
- GARLAND, H. P. The water buffalo (often called the mud buffalo) its characteristics and habits together with a description of the preparation of its hide for making loom pickers. Pp. 1-51; 38 figs. Garland Manufacturing Co., Saco, Maine. Smith and Porter press, Boston. 1922. (A most attractive book on the water buffalo and its economic uses.)
- HALL, FRANK GREGORY. The vital limit of exsiccation of certain animals. Biol. Bull., vol. 42, pp. 31-51. January, 1922. (Includes *Peromyscus leucopus noveboracensis*, *Microtus pennsylvanicus*, and *Mus musculus* among the animals used in experiments.)
- HANNA, G. DALLAS. What becomes of the fur seals. Science, n.s., vol. 55, pp. 505-507. May 12, 1922. (Suggests an investigation of the activities of the killer whale.)
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- HAY, OLIVER P. Occurrence of Scott's gray fox in probably recent cave deposits in Kentucky. Proc. Biol. Soc. Washington, vol. 35, pp. 53-54. March 20, 1922.
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- On the nomenclature of the South Indian long-tailed macaques. Journ. Bombay Nat. Hist. Soc., vol. 27, pp. 813-815. 1921.
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- . The status of the dingo. Trans. Roy. Soc. South Australia, vol. 14, pp. 254-263. 1921. (Believes that the dingo is simply a subspecies of *Canis familiaris* introduced into Australia by man.)
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- . Pinnipeds from Miocene and Pleistocene deposits of California. A description of a new genus and species of sea lion from the Temblor together with seal remains from the Santa Margarita and San Pedro formations and a résumé of current theories regarding origin of Pinnipedia. Univ. Calif. Pub. Dept. Geol. Sci., vol. 13, pp. 23-132, 6 figs. April 14, 1922.
- . A study of the Californian forms of the *Microtus montanus* group of meadow mice. Univ. Calif. Pub. Zool., vol. 21, no. 7, pp. 245-274; 25 figs. April 18, 1922.
- . A synopsis of the *Microtus mordax* group of meadow mice in California. Univ. Calif. Pub. Zool., vol. 21, no. 8, pp. 275-302; 1 plate; 29 figs. April 18, 1922. (New subspecies: *Microtus mordax sierrae*, Yosemite National Park.)
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- LONGMAN, HEBER A. A Queensland rabbit-bandicoot. Queensland Nat., vol. 3, no. 3, pp. 52-53. February, 1922.
- LÖNNBERG, EINAR. A third contribution to the mammalogy of Ecuador. Archiv för Zoologi, vol. 14, no. 20, pp. 1-23; 3 figs. 1922. (New: *Callicebus cupreus napoleon*, Napo River; *Odocoileus peruvianus consul*, Guamani; and *Choloepus napensis*, Napo River.)

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- OSBORN, HENRY FAIRFIELD. The dawn man of Piltdown, Sussex. *Nat. Hist.*, vol. 21, pp. 577-590; 15 figs. November-December, 1921. (The Piltdown jaw is human, not chimpanzee, and belongs with the skull of *Eoanthropus*.)
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- Scientific results from the Mammal Survey. XXVII. The geographical races of *Scotomanes ornatus*. Journ. Bombay Nat. Hist. Soc., vol. 27, pp. 772-773. 1921.
- A subdivision of the genus *Uromys*. Ann. and Mag. Nat. Hist., ser. 9, vol. 9, pp. 260-261. March, 1922. (New genus, *Melomys*, for *Uromys rufescens* and allied forms.)
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- A new marmoset from the Lower Amazons. Ann. and Mag. Nat. Hist., ser. 9, vol. 9, pp. 265-266. March, 1922. (Describes *Mystax ursulus umbratus*.)
- The generic classification of the *Taphozous* group. Ann. and Mag. Nat. Hist., ser. 9, vol. 9, pp. 266-267. March, 1922. (New genus: *Liponycteris*.)
- The forms of *Jaculus jaculus* in Egypt and Syria. Ann. and Mag. Nat. Hist., ser. 9, vol. 9, pp. 295-297. April, 1922.
- Two new jerboa-rats (*Notomys*). Ann. and Mag. Nat. Hist., ser. 9, vol. 9, pp. 315-317. April, 1922.
- On the animals known as "ground-hogs" or "cane-rats" in Africa. Ann. and Mag. Nat. Hist., ser. 9, vol. 9, pp. 389-392. April, 1922. (De-

- scribes new subspecies of *Thryonomys swinderianus*; and a new genus, *Chæromys*, for *T. gregorianus* and its allies.)
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- TROXELL, EDWARD L. Oligocene rodents of the genus *Ischyromys*. Amer. Journ. Sci., ser. 5, vol. 3, pp. 123-130; 7 figs. February, 1922. (New species from Middle Oligocene, Cherry Creek, Colorado, and from Lower Oreodon beds near Harrison, Nebraska.)
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- WHITMAN, ROGER B. Hunting with brush and gun. Country Life, vol. 40, no. 5, pp. 34-39; 5 half-tones and 4 colored plates. September, 1921. (Paintings and sketches of big game by Carl Rungius.)
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#### FOURTH ANNUAL MEETING OF THE AMERICAN SOCIETY OF MAMMALOGISTS

The fourth annual meeting of the American Society of Mammalogists was held in the American Museum of Natural History, New York City, May 16-18, 1922. There were 52 members in attendance. One of the more important items of business transacted was the hearty endorsement of the raising of a publication fund in honor of the late Dr. J. A. Allen. This fund is to be known as the Allen Memorial Fund and is to be administered by the directors of the Society. It is planned to raise not less than \$10,000, the income of which shall be used for the publication of certain numbers of the Journal of Mammalogy to be dedicated to the memory of Doctor Allen. Thus in creating this fund we shall not only honor this eminent and pioneer mammalogist, our first honorary member, and a man beloved by all who knew him, but we shall also make possible the publication of a number of the Journal about once every year from the proceeds of the fund. This should enable us to increase the pagination of each number of the Journal to at least 100 pages. Each member of the Society will be given an opportunity to contribute to the memorium. Let us make an actual sacrifice for this cause, realizing that by so doing we shall not only continually bring to life the memory of Doctor Allen, but shall enhance our more selfish interests by improving the Journal of Mammalogy. The Allen Memorial committee appointed by the president consists of Mr. Madison Grant, chairman; Dr. Henry Fairfield Osborn; Mr. Childs Frick; Dr. George Bird Grinnell, and Mr. H. E. Anthony. Local committees to act with the central committee may be appointed later.

The Directors of the Society sanctioned the organization of the Southern California Section of the American Society of Mammalogists, of which Mr. A. B. Howell has been elected president, and Mr. Luther Little secretary.

The competitive exhibition of photographs of mammals, installed by the American Museum of Natural History in connection with the meeting, was a